Attachment A: Construction Drawings
CITY OF NEW BRAUNFELS
DEPARTMENT OF PUBLIC WORKS
E. SOUTH STREET
(S. UNION AVENUE TO S. EAST AVENUE)
MAINTENANCE PROJECT
CITY OF NEW BRAUNFELS
GENERAL NOTES
FOR CAPITAL IMPROVEMENTS

1. All work shall be done in accordance with the trade standard specifications for the city of New Braunfels. The city of New Braunfels reserves the right to modify the specifications in writing at any time during the construction process.

2. All materials furnished by the contractor shall be of the same grade, quality, and durability as shown on the plans and specifications. No changes or substitutions shall be made without the written consent of the city of New Braunfels.

3. All construction shall be done in conformance with the plans and specifications. Any deviation from the plans and specifications shall require the written consent of the city of New Braunfels.

4. The contractor shall be responsible for all construction work performed by his subcontractors and materials furnished by his suppliers.

5. The contractor shall furnish all necessary labor, materials, equipment, and tools required for the construction of the project.

6. All work shall be completed in a workmanlike manner and to the satisfaction of the city of New Braunfels.

7. The contractor shall be responsible for all safety precautions taken during the construction of the project.

8. The contractor shall be responsible for all permits and approvals required for the construction of the project.

9. The contractor shall be responsible for all necessary inspections and testing required for the construction of the project.

10. The contractor shall be responsible for all necessary documentation and reports required for the construction of the project.

11. The contractor shall be responsible for all necessary clean-up and restoration required for the construction of the project.

12. The contractor shall be responsible for all necessary samplings and testing required for the construction of the project.

13. The contractor shall be responsible for all necessary maintenance and repairs required for the construction of the project.

14. The contractor shall be responsible for all necessary training and education required for the construction of the project.

15. The contractor shall be responsible for all necessary permits and fees required for the construction of the project.

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PAVEMENT CORE INFORMATION
(BY RABA KISTNER CONSULTANTS)
FOR
E. SOUTH STREET - MAINTENANCE PROJECT
NEW BRAUNFELS, TEXAS

Project No: 6502/6401/00
November 12, 2010

Mr. Joshua Marr
City of New Braunfels
504 East Main Street
New Braunfels, Texas 78130

RABA KISTNER CONSULTANTS, INC. (RKC) is pleased to submit the results of our pavement core sampled and tested at various locations throughout the City of New Braunfels. The purpose of this study was to conduct the pavement cores and to provide a written report containing the results. The roadway alignments under consideration include:

- California Boulevard from Loop 161 to Sandell Circle,
- Normandy Boulevard from California Boulevard to East Ferry Street,
- Cleawox Avenue from Sunbrooke East Street to East Cartmel Street,
- East South Street from South Cross Avenue to South South Street,
- South Main Street from East Main Street to South Main Street,
- East Main Street from South Main Street to East Main Street,
- North Main Street from East Main Street to East Main Street,
- North Avenue from East Main Street to East Avenue,
- North Avenue from East Avenue to East Avenue.

These services were performed in accordance with TxDOT Proposed No. Metron-651-08 (dated 10/6/2008). The field and laboratory testing were conducted as part of this study.

The pavement cores were located in the field by floor planners and survey crews with GPS and with the guidance of Mr. Photo Ryc, City of New Braunfels. The recreational grade GPS coordinates collected during drilling are provided in the tables below.

<table>
<thead>
<tr>
<th>Core No.</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
</tr>
</thead>
<tbody>
<tr>
<td>P-101</td>
<td>East South Street</td>
<td>29.7598</td>
<td>-99.3120</td>
</tr>
<tr>
<td>P-102</td>
<td>East South Street</td>
<td>29.7598</td>
<td>-99.3120</td>
</tr>
<tr>
<td>P-103</td>
<td>East South Street</td>
<td>29.7598</td>
<td>-99.3120</td>
</tr>
<tr>
<td>P-104</td>
<td>East South Street</td>
<td>29.7598</td>
<td>-99.3120</td>
</tr>
<tr>
<td>P-105</td>
<td>West Congress Avenue</td>
<td>29.7598</td>
<td>-99.3120</td>
</tr>
<tr>
<td>P-106</td>
<td>West Congress Avenue</td>
<td>29.7598</td>
<td>-99.3120</td>
</tr>
</tbody>
</table>

The cores were drilled using a truck mounted drilling rig to maximum depths of 3 ft below the existing pavement surface. Soil samples and pavement cores were collected in a manner that would not impact roadways. The field measured asphalt and base thicknesses are presented in the tables below. Samples of the subgrade were collected and will remain in our laboratory for 10 days or until their life span will be dissipated.

<table>
<thead>
<tr>
<th>Core No.</th>
<th>Thickness (in.)</th>
<th>Depth (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>P-101</td>
<td>0.50</td>
<td>2.50</td>
</tr>
<tr>
<td>P-102</td>
<td>0.50</td>
<td>2.50</td>
</tr>
<tr>
<td>P-103</td>
<td>0.50</td>
<td>2.50</td>
</tr>
<tr>
<td>P-104</td>
<td>0.50</td>
<td>2.50</td>
</tr>
</tbody>
</table>

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